

Message Text

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ACTION OES-05

INFO OCT-01 EUR-12 ISO-00 AEC-07 AID-05 CEA-01 CIAE-00

CIEP-02 COME-00 DODE-00 EB-07 FEAE-00 FPC-01 H-02

INR-07 INT-05 L-02 NSAE-00 NSC-05 OMB-01 PM-03 RSC-01

SAM-01 SP-02 SS-15 STR-04 TRSE-00 FRB-01 PA-02 PRS-01

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TO SECSTATE WASHDC 6582

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E.O. 11652: N/A

TAGS: TGEN ENRG UR

SUBJECT: US-USSR ENERGY AGREEMENT: SUPERCONDUCTING TRANSMISSION
TECHNOLOGY

FOR OES/SCI/SEP

1. EMBASSY POUCHING LETTER FROM PROFESSOR LEVITOV TO
DR. BRIAN BELANGER, DIVISION OF APPLIED TECHNOLOGY,
ERDA, STATING THAT THREE US EXPERTS IN HIGH VOLTAGE
TECHNOLOGY AND THREE IN THE FIELD OF HEAT TRANSFER
AND FLUID FLOW COULD BE RECEIVED FOR TWO WEEKS
BEGINNING MARCH 2 (INSTEAD OF IN FEBRUARY AS PROPOSED
BY BELANGER).

2. FIRST GROUP WILL WORK MAINLY AT THE LABORATORY OF
HIGH VOLTAGE GAS DISCHARGE AND LIGHTENING PROTECTION.
SOVIETS ARE PLANNING SEVERAL EXPERIMENTS ON STUDYING
FLASH-OVER VOLTAGES IN LIQUID HELIUM, COMPRESSED
HELIUM BREAKDOWN AND HELIUM BREAKDOWN AT PULSE
VOLTAGE. SOVIET EXPERTS WILL GIVE REPORTS ON HIGH
VOLTAGE PROBLEMS AND LEVITOV WOULD APPRECIATE SIMILAR
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REPORTS BY THE US EXPERTS ON WORK BEING DONE IN THE US.

3. SECOND US GROUP WILL PARTICIPATE IN EXPERIMENTS ON A MODELING FACILITY TO VISUALIZE FLUID FLOW AT SUPER-CRITICAL PARAMETERS. THIS WORK WILL BE DONE AT THE LABORATORY OF HEAT TRANSFER AND FLUID FLOW IN CRYOGENIC SYSTEMS. GROUP WILL ALSO VISIT MINSK TO SEE LABORATORIES OF THE INSTITUTE OF HEAT AND MASS TRANSFER AND THE INSTITUTE OF SEMICONDUCTORS AND SOLID PHYSICS.

4. LEVITOV REQUESTS EARLY CONFIRMATION ON ABOVE SUGGESTED TIMING FOR VISITS, TOGETHER WITH NAMES OF US EXPERTS AND ANY SUGGESTIONS ON PROGRAM.

5. LETTER BEING POUCHED TO DR. GANLEY, OES/SCI/SEP.
REGISTRY NUMBER 2404186.
MATLOCK

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Margaret P. Grafeld
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